Qty:

Each

10 Um:

Date: User: Friday, 11/18/2005 1:19:10 PM

Linda Lacelle

### **Process Sheet**

**Drawing Name** 

**Part Number** 

Material

**Due Date** 

**Drawing Number** 

**Project Number** 

**Drawing Revision** 

: PLACARD

: D32681

:NIA

:NIP

: 11/25/2005

; A

: D3268 REV A

: CU-DAR001 Dart Helicopters Services Customer

**Job Number** : 24774 **Estimate Number** : 10723

P.O. Number : 1010

: 11/18/2005 S.O. No. : NIA This Issue

: NC Prsht Rev.

First Issue : 10/P **Previous Run** : NIP

Type

: PURCHASED PARTS

Checked & Approved By Comment

: Est Rev:A 04.02.20 New issue KJ/DS

**Additional Product** 

Written By

Job Number:

Seq. #:

**Machine Or Operation:** 

PURCHASING

Description:

1.0 PG

Comment: PURCHASING Issue P/O:

D3268-1 Placard as per Dwg D3268

Material: White Letters on red adhesive back manufactured from 3M 7 MIL masking film # 8522CP or Avery

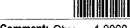
IPM # 2031

Possible Supplier: Studio Lettrage Material release note is required

2.0

D32681

Placard



Comment: Qty.:

1.0000 Each(s)/Unit Total:

10.0000 Each(s)

Placard

3.0

**PACKAGING 1** 

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Receive and Inspect for transit damageEnure material release note is attached

05-11-22

4.0

QC6

DIMENSIONAL CHECK

CZ 05/11/30

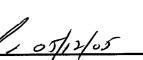
Comment: DIMENSIONAL CHECK

5.0 PACKAGING 1 PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and Stock Location: 410



Page 1

#### 

### Job Costing Report

Nov 17, 2005 Dart Aerospace Ltd. Hawkesbury 03:30 pm

Department Code:

Work Order No : 0024774
Project Name : D3268-1
Project For : WK549 Burden Flags : NNNNNNN Work Order Type : Main WO Status : Open

Main WO Number : Invoice State : Not Invoiced

House Part Number: D3268-1

Invoice Date :
Invoice Number : Description : Placard

Manufactured : Yes Invoice Amount: 0.00

Amount Req'd : 10 Amount Done : 0 Order Entry No :

Start Date : 11-17-05 OE Value : 0.00

Est Finish Date : 12-10-05

Act Finish Date : Est Margin : 0.000% Actual Margin : Drawings Reqd : No 0.000%

Ok for Approval :

Approval Rec'd : \$0 Posted to Finished Goods

		Estimated	Actual	Var. %	Posted	To Post
Material Cost	:	0.00	0.00	0.00	0.00	0.00
Engineering Hours	:	0.00	0.00	0.00		
Engineering Cost	:	0.00	0.00	0.00	0.00	0.00
Production Hours	:	0.00	0.00	0.00		
Production Cost	:	0.00	0.00	0.00	0.00	0.00
Packaging Hours	:	0.00	0.00	0.00		
Packaging Cost	:	0.00	0.00	0.00	0.00	0.00
OverHead Hours	:	0.00	0.00	0.00		
OverHead Cost	:	0.00	0.00	0.00	0.00	0.00
CNC Hours	:	0.00	0.00	0.00		
CNC	:	0.00	0.00	0.00	0.00	0.00
Misc. Hours	:	0.00	0.00	0.00		
Misc.	:	0.00	0.00	0.00	0.00	0.00
		========		======		
Burden	:	0.00	0.00	0.00		
		=======		======		
Total Cost	:	0.00	0.00	0.00		
Margin	:	0.000	0.000			
Selling Cost	:	0.00	0.00			

Estimated Actual Labour Hrs/Amount Done : 0.00 0.00 Profits/(Loss) : 0.00 0.00

### **Product Bulletin 8522**

Release F, Effective January 2003 Black bar in margin indicates a change

# Scotchcal <sup>™</sup> Opaque Imaging Media 8522

### **Description**

This media is specially formulated to dry quickly after printing. Production of outdoor weatherable and long-term indoor durable graphics is now easier than ever. Its changeable adhesive allows easy removal for up to one year.

### **Advantages**

- Optimized for use with selected Epson Stylus Pro printers and Epson Archival inks.
- Optimized for use with selected HP DesignJet Printers and HP DesignJet Ink System UV or HP83UV Color Ink System
- For making opaque, laminated graphics that are outdoor weatherable and long-term indoor durable
- Media:
  - For opaque (reflective) graphics
  - Changeable, easy to remove from warranted substrates up to 1 year later
  - Dries quickly after printing so the overlaminate can be applied almost immediately
  - Low slippage paper liner for superior tiling
- Overlaminates:
  - Provide additional UV (ultraviolet) and physical protection for making weatherable finished graphics
  - Available in luster and matte gloss
  - Adhesive allows for heat-assisted or cold-temperature lamination

### **Applications and Uses**

3M<sup>™</sup> Scotchcal <sup>™</sup> Changeable Opaque Imaging Media 8522 is intended only for ink jet printing and for use with the listed Compatible Products and Equipment and the following applications. Any other application is NOT warranted by 3M or covered by the worldwide 3M <sup>™</sup> MCS <sup>™</sup> Warranty unless 3M gives its prior written approval for the application.

- First surface images (the image is on top of the film) for opaque posters and signs, including:
  - Graphics for vans, personal vehicles, trucks and buses
  - Novelty posters
  - Retail and point-of-purchase displays
  - Information graphics such as maps and directories
  - Entertainment promotions in museums, zoos, parks, theatres, sports venues
  - Education and presentation graphics

- Legal and courtroom exhibits
- For flat or simple curved surfaces, with or without rivets, used in vertical (± 10°) applications

### **Limitations of End Uses**

The following uses and applications are specifically NOT

- Fleet applications in areas that use salt for winter road maintenance
- Application to non-warranted substrates, including wallboard
- Applications subjected to gasoline vapors or spills
- Application to corrugated or highly irregular surfaces or sharply raised areas
- Graphics applied to stainless steel, including stainless steel vehicles
- On flat surfaces with rivets, tenting of 4 to 10 mm around rivets may be expected; rivets may be cut around to eliminate tenting.

Note: Standard ink jet technology is water based. Waterbased chemistry is susceptible to the extremes of heat and humidity. This is a factor in most product constructions on the market. Read the Fabrication, Shelf Life and Storage sections in this bulletin. Staying in the middle of these ranges always provides optimum performance.

### **Compatible Products and Equipment**

### Thermal Ink Jet Printing Systems

- Epson Stylus Pro 9500, Stylus Pro 10000 printer
  - Epson Archival Inks
- Epson Stylus Pro 10600 printer
  - Epson Archival Inks
- HP DesignJet Printers 2000 and 3000 series
  - HP DesignJet Ink System UV (pigment-based ink)
- HP DesignJet Printers 5000 series
  - HP83UV Color Ink System

### Overlaminates (required)

- 3M<sup>™</sup> Luster Overlaminate 8519 (semi-gloss)
- 3M<sup>™</sup> Matte Overlaminate 8520

Note: For the full product names of the 3M products listed on this page, please see page 1.

### **Warranted Substrates**

Media 8522 is warranted for use on the following rigid substrates.

Some substrates may "out-gas", resulting in tiny bubbles throughout the surface of the graphic. For maximum performance, be sure the substrate you select is properly cleaned and prepared as recommended by the manufacturer. See Instruction Bulletin 5.1 for additional information.

- Alodine (anodized aluminum)
- Automotive panels (automotive painted steel)
- Fruehauf (painted aluminum)
- FRP (fiberglass reinforced plywood)
- Glass
- Imron® (polyurethane-painted metal panel)
- Acrylic
- Sintra<sup>™</sup> board

## Test and Approve Non-warranted Substrates Before Use

Media 8522 is not warranted for any substrate other than those listed above. If you want to use it for other substrates, 3M recommends that you test and approve the media for both adhesion and removal characteristics.

### **Characteristics**

Characteristic	Description		
Media	7 mil, white, opaque graphic film		
Liner	Low-slippage, lay flat paper		
Adhesive	Changeable, pressure sensitive		
Thickness (media and adhesive)	7.5 to 8 mil (nominal)		
Application substrates	See Warranted Substrates, above		
Application surfaces	Flat or simple curved surfaces, with or without rivets, used in vertical (± 10°) applications (no corrugations)		
Application temperature range	28° to 110°F (-2° to 43°C) (air and surface)		
Roll sizes	36" x 45 feet (914 mm x 13.5 m) 54" x 45 feet (1372 mm x 13.5 m)		

# How to Become a 3M Ink Jet Registered Fabricator

Only 3M Thermal Ink Jet Registered Fabricators are eligible to offer 3M MCS warranted graphics. In order to become certified, a fabricator must complete the requirements as specified in the 3M Ink Jet Graphics Registered Fabricator Reference Manual located on the 3M website at www. scotchprint.com

### **Effective Performance Life**

To obtain the warranty given below, the graphics must be made according to 3M's recommendations which are detailed in the Warranty and Limited Remedies on page 3. Also see the section, Removability.

### **Warranted Durability**

Media 8522 with	Epson Pr	inters	HP Printers	
Overlaminate 8519 or 8520	Outdoor	Indoor	Outdoor	Indoor
Applied to Warranted Substrates	2 years	5 years	3 years	5 years

### Removability

Imaging media 8522 is removable from warranted substrates for 1 year without the aid of chemical strippers or accessories. Refer to Instruction Bulletin 4.23 for additional information.

### **Fabrication**

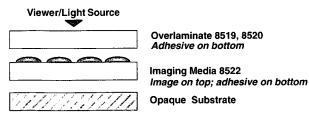
Graphics must be made according to 3M's recommendations which are detailed in the Warranty and Limited Remedies on page 3.

See Instruction Bulletin 4.23 for detailed fabrication, printing and mounting information.

### **Graphic Construction Options**

### **Opaque (Reflective) Graphics**

Opaque graphics made with imaging media 8522 require an overlaminate and an opaque substrate.



Note: For the full product names of the 3M products listed on this page, please see page 1.

**Shelf Life and Storage** 

- 3M<sup>™</sup> Scotchcal<sup>™</sup> Changeable Opaque Imaging Media 8522 has a shelf life of one year.
- Storage conditions (new and partially used rolls). For optimum performance, use the middle of these ranges:
  - Original packaging, including plastic wrap
  - Relative humidity of 20% to 80%
  - Temperature of 33° to 104°F (0° to 40°C)
  - Away from direct sunlight
- Do not stack unprotected rolls or lay sharp or heavy objects on them.

### **Health and Safety**

### 

When handling any chemical products, read the manufacturers' container labels and the Material Safety Data Sheets (MSDS) for important health, safety and environmental information.

To obtain MSDS sheets for 3M products:

- By fax, call 1-800-364-0768 in the US and Canada or 1-650-556-8417 for all other locations.
- Electronically, visit us at http://www.3M.com/msds.
- By mail, or in case of an emergency, call 1-800-364-3577 or 1-651-737-6501.

When using any equipment, always follow the manufacturers' instructions for safe operation.

### **Warranty and Limited Remedies**

# 3M <sup>™</sup> MCS <sup>™</sup> Warranty for Graphics Produced on HP DesignJet Printers and Epson Stylus Pro Printers

The following is made in lieu of all other express or implied warranties, including any implied warranty of merchantability or fitness for a particular purpose: We warrant graphics produced by a 3M Ink Jet Registered Fabricator made with imaging media 8522, printed on an approved HP thermal ink jet printer according to HP's recommendations or Epson Stylus Pro printer according to Epson's recommendations, overlaminated with 8519 or 8520, and applied to a Warranted Substrate according to 3M's recommendations. These

3M Canada

P.O. Box 5757

London, Ontario

Canada N6A 4T1

1-800-265-1840

Fax 519-452-6245

graphics are covered against failure caused by ultraviolet light, temperature extremes, pollution, and other elements.

If a graphic fails to perform in accordance with 3M product specifications within this time frame, 3M will replace the materials at no charge. These remedies are exclusive. In no case shall 3M be liable for any direct, indirect, or consequential damages, including any labor charges.

### 3M Related Literature

Listed below is related 3M technical literature that may be of interest. You may view and print these Bulletins from our Web site at www.scotchprint.com, or order them via our Faxon-Demand (FOD) system. Call one of these phone numbers to order the desired bulletins, and specify the FOD document number provided in the chart.

United States or Canada: 1-800-364-0768

International: 1-651-732-6506

Subject	Bulletin No.	FOD No.
Product Bulletins		
3M <sup>™</sup> Scotchcal <sup>™</sup> Overlaminate 8519 and 8520	8519/8520	4524
Instruction Bulletins		
Making thermal ink jet graphics	4.23	6523
Application, substrate selection, preparation and substrate-specific application techniques	5.1	7001
Warranties		
Worldwide 3M™ MCS™ Warranty Packet (includes all Commercial Graphics MCS Warranties)		
Worldwide 3M™ MCS™ Warranty Overview-Folder		

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HP and DesignJet are tradenames of Hewlett Packard.
Sintra is a trademark of Swiss Aluminum Ltd.
Imron is a registered trademark of DuPont in the United States

### **Bulletin Change Summary**

The Epson Stylus Pro Printers 9500, 10000 10600, and Epson Archival Inks have been added to this bulletin. Additional changes resulting from this addition are marked with black bars in the margin.

**3M** 

**Commercial Graphics Division** 

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Av. Santa Fe No. 55 Col. Santa Fe, Del. Alvaro Obregón México, D.F. 01210 52-55-52-70-04-00 Fax 52-55-52-70-22-77 3M Puerto Rico, Inc.

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